

# SOLAR PANEL



**30 YEARS PANEL  
WARRANTY**



**95% SAVING ON  
ELECTRICITY EXPENSES**



Ip68 Junction Box For High  
Waterproof level



LCOE Is Cut Back by using M10 size solar cell  
with adding more power output than lower  
size cell module



Field Reliability is improved due to multiple  
contact points on the cell which lowers the  
cell stress during module fabrication



AR Coated Tempered Glass Anti-  
Reflective Module Surface



Excellent Module Efficiency



**Defects** Pre and Post EL Checking to ensure  
defect free module



Excellent module conversion  
efficiency of up to 21.3%

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# ENERGISTRA



Mono c-Si PERC, Shingled cells, 166 mm, 1500V, 60-cell		SU60C-F-405		SU60C-F-410		SU60C-F-415					
Energistra		STC	NOCT	STC	NOCT	STC	NOCT				
NominalMax.Power	Pmax (Wp)	405	305	410	309	415	312				
Maximum Power Voltage	Vmp (V)	38.70	36.90	38.80	37.00	38.90	37.10				
Maximum Power Current	Imp (A)	10.47	8.27	10.57	8.35	10.67	8.43				
Open-Circuit Voltage	Voc (V)	46.50	44.30	46.60	44.40	46.70	44.50				
Short-Circuit Current	Isc (A)	11.02	8.89	11.07	8.93	11.12	8.97				
Module efficiency	(%)	20.67		20.92		21.18					
Power Tolerance	Pmax (Wp)	0~+5									
Maximum System Voltage DC	(V)	1500									
Maximum Series Fuse Rating	(A)	20									
Operating temperature	(°C)	-40~+85									
Temp. coefficients of Pmax	(%/°C)	-0.34									
Temp. coefficients of Voc	(%/°C)	-0.27									
Temp. coefficients of Isc	(%/°C)	0.04									
Nom. Operating cell temp. (NOCT)	(°C)	42.3±2									
Cell Type		166mm									
Dimensions		1719*1140*30									
Weight		21 kg									
Junction Box		IP 68 rated									
Output Cable		1200mm									
Connector Type		MC 4 / MC 4 compatible									
Hail Resistance		distance 1m,Hail stone Diameter 25mm,Speed 23m/s									
Wind Load		2400 Pa / 244 kg/ m²									
Mechanical Load		5400 Pa / 550 kg/ m²									
Packing Configuration		36/72									
Loading Capacity (20GP)		216									
Loading Capacity (40HQ)		936									
Size / Pallet (mm)		1750*1140*1250/1750*1140*2490									
Weight / Pallet		806/1612									